Assessment Specifications

Level 3 Physics 2024

Published in March 2024

General information

Domain: Physics

Assessment method: Examination

Assessment medium: Printed paper

Standards: 91523, 91524, 91526

Physics subject page

National secondary examinations timetable

Information relating to all achievement standards

Candidates should show their reasoning clearly and may use numerical working, words, and/or diagrams.

Mathematical solutions will require candidates to show, mathematically, that two phenomena, concepts, or principles are connected.

The acceleration due to gravity will be given as $g = 9.81$ m s^{-2}.

The number of significant figures in any answer should be consistent with the data in the question.

It is recommended that candidates use standard form in writing numerical answers. The number of significant figures in any answer should be clear and should be consistent with the data in the question.

- In a "show that" question it is important to write down unrounded values.
- It is also suggested that candidates use unrounded values in their calculations and only round their value in their final answer.

Answers should be given with an appropriate unit. SI units should be used unless it is more appropriate to include a prefix (milli, kilo, etc).

Candidates should be able to interpret numerical data when provided with an appropriate prefix. This will be limited to giga, mega, kilo, centi, milli, micro, nano, and pico.

Equipment required

Candidates require an approved calculator, a ruler, and a protractor. Any approved scientific or graphing calculators may be used.

Resources or information supplied

Formulae and the value of the physical constants needed for these standards will be provided in a separate resource sheet that will accompany the examination papers.

Specific information for individual achievement standards

Standard:	91523
Domain:	Physics
Title:	Demonstrate understanding of wave systems
Version:	2
Number of credits:	4

Standard:	91524
Domain:	Physics
Title:	Demonstrate understanding of mechanical systems
Version:	2
Number of credits:	6

Standard:	91526
Domain:	Physics
Title:	Demonstrate understanding of electrical systems
Version:	2
Number of credits:	6